

# **Water Supply System Management Plan**

**(WSSMP)**

**May 2012**

**North Tiverton Fire District  
241 Hilton Street  
Tiverton, RI 02878**

## **Executive Summary**

The North Tiverton Fire District (NTFD) is pleased to submit to the Water Resources Board (WRB) its Water Supply System Management Plan (WSSMP) in accordance with Rhode Island General Law 46-15.3-5.1, Public Drinking Water Supply System Protection. This WSSMP builds upon the first submittal by NTFD dated May 2007 and includes all pertinent data through 31 December 2011. The following components, and their sub-components, are addressed in the plan to the extent that they are relevant to NTFD: System Goals and Description, Supply Management, Demand Management, System Management, Emergency Management, Drought Management, and Financial Management. Highlights of the NTFD's accomplishments identified in WSSMP are listed below.

- Completed the last phase of a major capital improvement plan with the complete refurbishment of the State Avenue Pumping Station and the replacement of nearly three quarters of a mile of water main as part of the Hilton Street Area Water Main Replacement project. The earlier phase of the plan included the construction of the Stafford Road Pumping Station and the two-million gallon water tank on Pocasset Avenue. The emergency interconnection with the Stone Bridge Fire District along Fish Road to the Industrial Park was also constructed during the initial phase.
- Upgraded its entire computing and billing system, replaced its entire fleet of two service vehicles, and added a compressor to its inventory of major tools.
- Increased the volume of water sold from 143.2 million gallons per year in 2006 to 167.9 million gallons per year in 2011 (+17.2%).
- Maintained per capita Average Daily Demand in the district at 44.9 gallons for residential customers in 2011, well below the Water Resources Board's target of 65 gallons.
- Reduced non-account water to 5.1% and leakage to 0.04% of all purchased water in 2011.
- Determined sufficient water availability and capability to distribute for the 5-year and 20-year planning periods based upon projected population growth.
- Negotiated a new water supply contract with the City of Fall River, MA.
- Maintained the same water rates since FY09 through FY12 while its two suppliers, The City of Fall River and the Stone Bridge Fire District, have increased their price of water to NTFD by 17.5% and 25.9% respectively, over the same time period.
- Implemented electronic read meters to 63.3% of accounts in a continuing effort that is expected to be completed by the end of 2016.
- Maintained an overall balanced budget while steadily increasing funds in the stabilization and reserve accounts.
- Initiated improvements to its meter-read to bill-mail cycle in anticipation of the transition from a four-month to a quarterly billing cycle beginning in January of 2014.
- Included reporting data in the WSSMP in accordance the Water Resources Board's Water Use and Efficiency Act Rule which was adopted May 16, 2011.
- Moved its administrative office into a newly refurbished handicap-accessible building across the street from its old headquarters.